

Claims

1. A thermolabile liposome with a controlled release
5 temperature for the liposome content,
characterized in that
it is essentially formed from at least one
phosphatidylcholine with a main transition
temperature in the range from 0 to 80°C and more
10 than 15 to 70% by weight of phosphatidyl-
oligoglycerol.
2. The liposome as claimed in claim 1,
characterized in that
15 it contains at least one phosphatidylcholine,
selected from the group consisting of 1-palmitoyl-
2-olioylglycero-3-phosphocholine, 1-stearoyl-
2-olioyl-3-phosphocholine, 1-palmitoyl-2-lauroyl-
glycero-3-phosphocholine, 1-behenoyl-2-olioyl-
20 glycero-3-phosphocholine, 1-stearoyl-2-lauroyl-
glycero-3-phosphocholine, 1,3-dimyristoylglycero-
2-phosphocholine, 1,2-dimyristoylglycero-
3-phosphocholine, 1-palmitoyl-2-myristoylglycero-
3-phosphocholine, 1-stearoyl-2-myristoylglycero-
25 3-phosphocholine, 1-myristoyl-2-palmitoylglycero-
3-phosphocholine, 1,3-palmitoylglycero-2-phospho-
choline, 1,2-dipalmitoylglycero-3-phosphocholine,
1-myristoyl-2-stearoylglycero-3-phosphocholine,
1-stearoyl-3-myristoylglycero-2-phosphocholine,
30 1-stearoyl-2-palmitoylglycero-3-phosphocholine,
1-palmitoyl-2-stearoylglycero-3-phosphocholine,
1,3-distearoylglycero-2-phosphocholine, 1,2-di-
stearoylglycero-3-phosphocholine, 1,2-di-
arachinoylglycero-3-phosphocholine, 1,2-di-
35 behenoylglycero-3-phosphocholine and 1,2-di-
lignoceroylglycero-3-phosphocholine.
3. The liposome as claimed in claim 1 or 2,

characterized in that
it contains dipalmitoylphosphoglyceroglycerol as
the phosphatidyloliglycerol.

- 5 4. The liposome as claimed in one of the preceding
 claims,
 characterized in that
 it essentially consists of 20 to 75% of
 dipalmitoyllecithin (DPPC), 10 to 25% of
10 distearoyllecithin (DSPC) and more than 15 to 50%
 of dipalmitoylphosphoglyceroglycerol (DPPG2).
5. The liposome as claimed in one of the preceding
 claims,
15 characterized in that
 it additionally contains up to 15% of at least one
 alkylphosphocholine.
6. The liposome as claimed in claim 5,
20 characterized in that
 it contains 10 to 15% of at least one of the
 compounds hexadecylphosphocholine, oleoyl-
 phosphocholine or ether lysolecithin.
- 25 7. The liposome as claimed in one of the preceding
 claims,
 characterized in that
 it contains no cholesterol.
- 30 8. The liposome as claimed in one of the preceding
 claims,
 characterized in that
 it contains an active compound or/and a labelling
 substance.